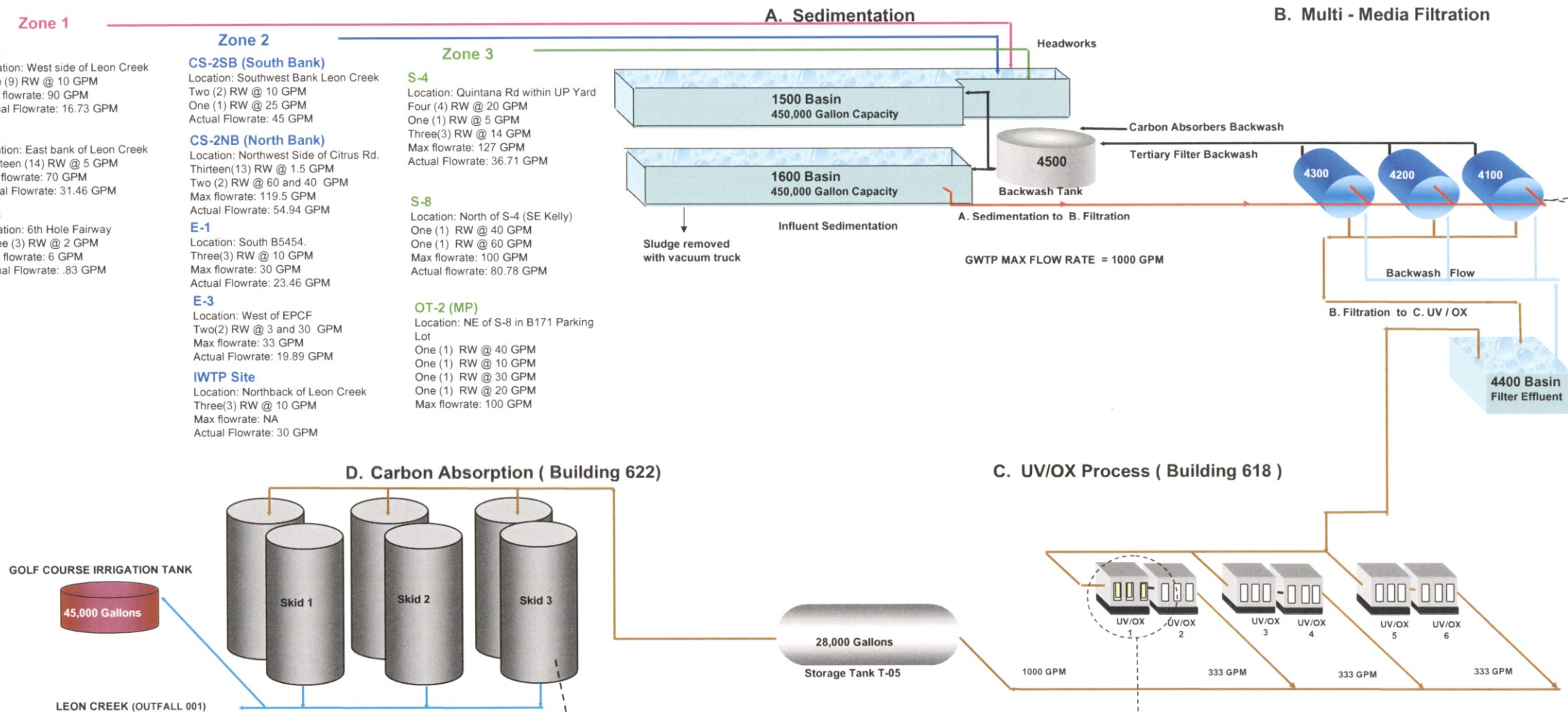
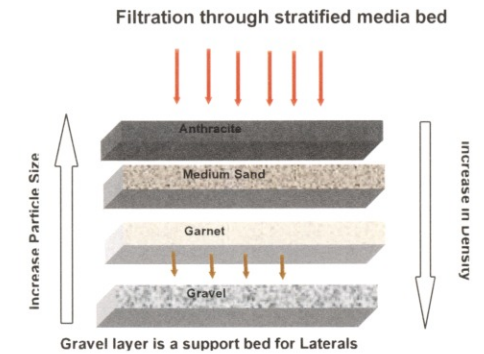


## Groundwater Sources

Zone 1	Zone 2	Zone 3
<b>D-2</b> Location: West side of Leon Creek Nine (9) RW @ 10 GPM Max flowrate: 90 GPM Actual Flowrate: 16.73 GPM  <b>D-4</b> Location: East bank of Leon Creek Fourteen (14) RW @ 5 GPM Max flowrate: 70 GPM Actual Flowrate: 31.46 GPM  <b>D-5</b> Location: 6th Hole Fairway Three (3) RW @ 2 GPM Max flowrate: 6 GPM Actual Flowrate: .83 GPM	<b>CS-2SB (South Bank)</b> Location: Southwest Bank Leon Creek Two (2) RW @ 10 GPM One (1) RW @ 25 GPM Actual Flowrate: 45 GPM  <b>CS-2NB (North Bank)</b> Location: Northwest Side of Citrus Rd. Thirteen (13) RW @ 1.5 GPM Two (2) RW @ 60 and 40 GPM Max flowrate: 119.5 GPM Actual Flowrate: 54.94 GPM  <b>E-1</b> Location: South B5454. Three (3) RW @ 10 GPM Max flowrate: 30 GPM Actual Flowrate: 23.46 GPM  <b>E-3</b> Location: West of EPCF Two (2) RW @ 3 and 30 GPM Max flowrate: 33 GPM Actual Flowrate: 19.89 GPM  <b>IWTP Site</b> Location: Northback of Leon Creek Three (3) RW @ 10 GPM Max flowrate: NA Actual Flowrate: 30 GPM	<b>S-4</b> Location: Quintana Rd within UP Yard Four (4) RW @ 20 GPM One (1) RW @ 5 GPM Three (3) RW @ 14 GPM Max flowrate: 127 GPM Actual Flowrate: 36.71 GPM  <b>S-8</b> Location: North of S-4 (SE Kelly) One (1) RW @ 40 GPM One (1) RW @ 60 GPM Max flowrate: 100 GPM Actual flowrate: 80.78 GPM  <b>OT-2 (MP)</b> Location: NE of S-8 in B171 Parking Lot One (1) RW @ 40 GPM One (1) RW @ 10 GPM One (1) RW @ 30 GPM One (1) RW @ 20 GPM Max flowrate: 100 GPM



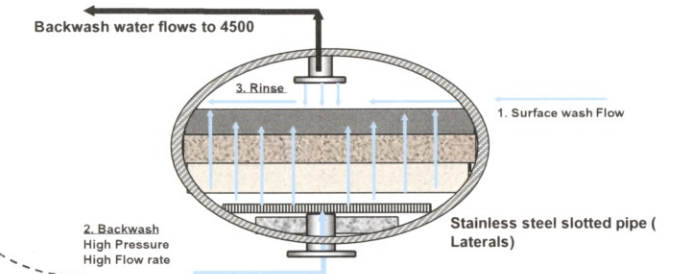
## B.1 Multi - Media Bed Characteristics



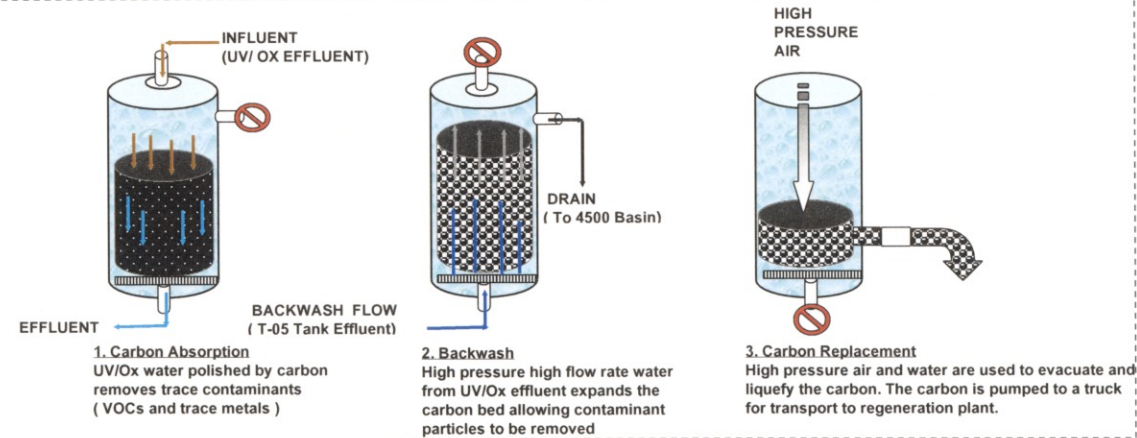
## B.2 Multi - Media Backwash Process

1. Surface wash - Remove dirt build up on bed surface
2. Backwash - Expands bed to remove dirt from all media layers
3. Rinse - Flow water opposite to backwash to settle and re-startify bed

## B.3 Multi - Media Vessel Cross - Section



## D.1 Carbon Absorption Process Cycle



## C. UV/OX Process ( Building 618 )

### C.1 Typical UV /OX Manifold

